

论文

脉冲电流模拟恒电量法

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摘要:

通过对恒电位仪的改造, 用脉冲电流模拟恒电量法测量模拟体系和实际体系的结果证明, 此法可行.

关键词: 电化学测量 恒电量法

CONSTANT COULOMETRY STUDIED BY PULSE CURRENT

Abstract:

The electrochemical system is charged rapidly by the pulse current, the potential-timed data of the electrochemical system is analyzed automatically by computer, getting the parameters of R_p and C_d and so on. This is a kind of experimental method that constant coulometry is simulated by pulse current. In this paper, introducing the principle of the experimental method, the experimental equipment, and procedures of processing data. The simulative and the real electrochemical system is detected by the equipment. In the practice, it is doable. Comparing with traditional equipment, this equipment is more convenient.

Keywords: electrochemical measurement constant coulometry

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